

Table F-7. Predicted Maximum Concentrations of Various Constituents at the SRL Seepage Basins^{a,b}

Constituent	Applicable standard	Monitoring data maximum mean concentration	PATHRAE-modeled maximum concentration without remedial action ^{c,d}					
			No action		No waste removal and closure		Waste removal and closure	
			1-m well	100-m well	1-m well	100-m well	1-m well	100-m well
Arsenic	0.05	(e)	0.74 (2115)	0.21 (2135)	0.073 (2435)	0.066 (2425)	0.073 (2405)	0.066 (2425)
Nickel	0.013	0.034 (Well ASB 4)	(e)	(e)	(e)	(e)	(e)	(e)
Tritium	87,000	(f)	320,000 (1962)	200,000 (1968)	320,000 (1962)	200,000 (1968)	320,000 (1962)	200,000 (1968)

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^aSource: Fowler, et al., 1987.

^bConcentrations are in milligrams per liter for chemicals and picocuries per liter for radionuclides.

^cEPA, 1985b, except where otherwise indicated. Nickel from EPA, 1986. ICRP Publication 30 (ICRP, 1978) methodology was used to calculate radionuclide concentrations that yield annual effective whole-body dose of millirem.

^dNumber in parentheses represents year in which concentration was reached or is expected to be reached.

^eBelow applicable standard.

^fNot reported.